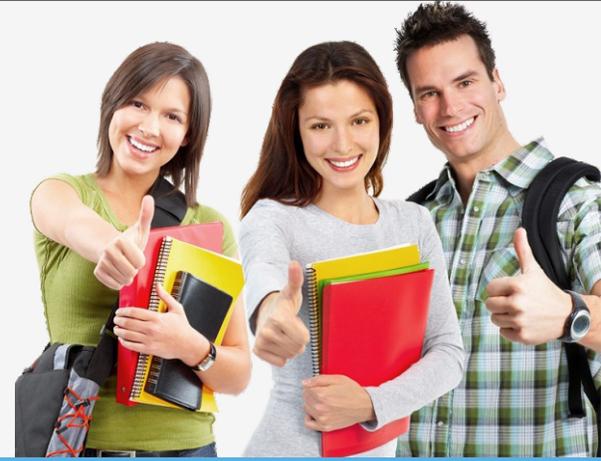


APPIUM TESTING



APPIUM MOBILE AUTOMATION TESTING

Appium Introduction

- Appium Feature.
- Appium Internal Architecture.

Appium Installation on window for Android Automation

- Installing Android Studio and java.
- Configuration System variable for both android SDK.
- Configuring virtual mobile devices for running test.
- Downloading Node.js and install via npm.
- Importance Information on appium version.
- configuring appium java client jars for frontend execution.
- Step by Step Installation.

Appium First Program

- Android application download for practice.
- What are Desired Capabilities? How to talk to Appium Server.
- Invoking Android Driver – Creating base program.
- Execution of Appium first program on mobile Native Application.
- UIAutomator tool usage – Inspection of elements..

Native ApplicationAutomation:

- Automation application UI using xpath and text attribute.
- Appium API's for UI Interaction with ID's and Class Name.
- Handling Multiple similar object of Application with index.
- AndroidUI Automator usage in Identifying object of application.
- Touch action in Appium.
- Tapping and longpress event.
- Touch action sequence execution.
- Strategy for Automating swipping event .

Advance Gesture Automation with Key Event Handling

- Demo on Swiping the clock .
- How to Automate Scrolling?
- Drag and Drop on native Application with Appium.
- Automating Android Key event with Appium.
- Miscellaneous key event handing with Appium.
- Invoking Application with package activity.
- Example on package name and activity invoking application.
- Automation on real device.

Web Application Automation

- Configuring real device to system for running Appium Test.
- Real Devices – Native Application automation.
- Desired Capabilitiesfor real devices execution.

- Important thing to know when execution on physical / emulator devices.
- Mobile Browser configuration setup for Appium Test.
- Automating the chrome mobile browser.

Hybrid Application Automation

- Hybrid application feature and ways to test .
- Views switching mechanism.
- Example on Hybrid Application Handling.

Appium Framework – Part 1 (TestNG)

- TestNG Installation and setup in eclipse .
- TestNG basic annotation role in designing.
- TestNG Annotation in depth.
 - Importance of TestNG prerequisite annotation.
 - Importance of testng.xml file in framework.
 - Including and Excluding the test case from execution with TestNG.xml file.

Appium Framework – Part 2 (Maven)

- Introduction to Maven.
- Configuration to Maven.
- Create basics Maven Project.
- Importance of Maven POM.xml file.
- Creating Appium – Maven Project .
- Importing Appium Maven dependencies.
- Running Appium Script in Maven.

TestNG with Maven – Part 3

- Creating TestNG XML File for Appium Maven Project.
- Creating Multiple Test Suite and Configuring them in xml files.
- Running Appium Server Programmatically.
- Creating .bat file and command to trigger appium server
- Appium Server start code.
- Creating Multiple TestNG profile and triggering from Maven.
- Running End to End Framework on single click with Maven.

Scheduling in Jenkins CI Tool – Part 4

- Why Jenkins? Jenkins Advantages.
- Installing & Configuring Jenkins Appium Project.
- Deploying Framework in Jenkins and Trigger the build.
- Scheduling the framework to run at any time with Jenkins.

PageObject Pattern & Page Factory

- What is PageObject Model?
- Page Factory annotation @FindBy.
- Practical Example explaining Page Factory Model-1.
- Practical Example explaining Page Factory Model-2

DataDriven from Excel for feeding data into Appium Test Case.

- What is Apache POI & Download?
- Excel API method Explanation.
- Program for retrieving data from Excel.
- DataDriven Testing using POI and TestNG.

Logging Framework – Log4j

- Log4j Explanation Theoretical part.
- Log4j Practical.
- Log4j Properties files.

Database Connection to Selenium / Appium Test Case

- Step to Connect Database to Selenium Test Case.
 - My SQL download Instruction.
 - MySQL database connection procedure.
 - Creating Database in My SQL Server.
 - Creating Table in Database.
 - JDBC and ODBC Connection Overview.
 - Integrating of database with JDBC API.
 - Steps to connect database info to Selenium.

Interview Question and Preparation for placement

- Technical Interview Preparation
- Mock Interview preparation
- HR Session

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